BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer-Dasarahalli Division

Detailed Estimate

Name of work :- Construction of CC Drain & Other Developments works at 6th Cross Construction Of Road & Footpath at Bagalagunte 9th 10th Cross Road. Drilling Of Borewell & Pipeline at Selected Area And Construction & Repairs UGD In Bagalagunte Ward No.14

Est Cost:- 26995000.00

Sl. No.	Description of item	Rate	Unit	Nos	Dimension L in m	Dimension B in m	Dimension D in m	Total Qty	Rate in Rs	Amount in Rs
1	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry. MORTH Specification No. 202									
	(Page No. 139, I.No. 18.26 of KPWD S.R 2018-19).									
	Basic rate	**289.00**								
	Area Wieght age @ 6%	**17.34**								
	Lead (2*1.3*16)+57	**98.60**								
	Total Rate in Rs	**404.94**	**Cum**							
	6th Cross Road From Bagalugute Main Road To Dead End Bad Reaches - Road									
				1	30.00	4.50	0.150	20.25		
				1	5.00	1.50	0.150	1.13		
				10	0.45	6.00	0.150	4.05		
				4	2.50	6.00	0.150	9.00		
				1	10.00	2.50	0.150	3.75		
				1	16.50	1.50	0.150	3.71		
				1	9.00	3.60	0.150	4.86		
	Road Cut portion in Cross road 3, 6th Cross Road Main Road To Dead End									
				1	32.00	1.00	0.150	4.80		
								51.55	**404.94**	**20873.64**
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3									
	(Page No. 143, I.No. 19.1 of KPWD S.R 2018-19).									
	Basic rate	**130.00**								
	Area Wieght age @ 6%	**7.80**								
	Lead (2*1.28*16)+57	**97.96**								
	Total Rate in Rs	**235.76**	**Cum**							
	For New RCC Drain									
	6th Cross Road From Bagalugute Main Road To Dead End									
	0.0-50.0		**Lhs**	1	50.00	1.10	0.900	49.50		
	50.0-250.0		**B/s**	2	250.00	1.10	0.900	495.00		
	Culverts									
				7	6.00	1.40	1.000	58.80		
	For New RCC Drain									
	10th Cross Road From 10th Main Road To 9th Main Road									
	0.0-160.0		**Lhs**	1	160.00	1.10	0.900	158.40		
	0.0-160.0		**Rhs**	1	160.00	1.10	0.900	158.40		
	10th Main Road From Dead End To 9th Main Road									
	0.0-50.0		**B/s**	2	50.00	1.10	0.900	99.00		
	0.0-40.0		**Rhs**	1	40.00	1.10	0.900	39.60		
	9th Main Road From 10th Main Road To Dead End									
	0.0-160.0		**Lhs**	1	160.00	1.10	0.900	158.40		
	0.0-160.0		**Rhs**	1	160.00	1.10	0.900	158.40		
	Cross Road 1									
	0.0-35.0		**Lhs**	1	35.00	1.10	0.900	34.65		
	Cross Road 2									
	0.0-20.0		**Lhs**	1	20.00	1.10	0.900	19.80		
	Cross Road 3									
	0.0-32.0		**Lhs**	1	32.00	1.10	0.900	31.68		
	0.0-32.0		**Rhs**	1	32.00	1.10	0.900	31.68		
	Cross Road 4									
	0.0-65.0		**B/s**	2	65.00	1.10	0.900	128.70		

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	0.0-100.0	Cross Road 6	B/s	1	100.00	1.10	0.900	99.00		
	0.0-65.00	New Road		1	65.00	1.10	0.900	68.00		
	0.0-40.0	1st E Croos Road	B/s	2	40.00	1.10	0.900	79.20		
	0.0-47.0	1st D Croos Road	B/s	2	47.00	1.10	0.900	93.06		
	LHS 00.00 to 105	Behind Maramma Temple Road Drain		1	105.00	1.10	0.900	103.95		
	RHS 69.00 to 110			1	41.00	1.10	0.900	40.59		
	Culvert			1	7.00	1.10	0.900	6.93		
	Front 00.00 to 100.00	MuniKondappa Layout/ Havanur Layout		1	100.00	1.10	0.900	99.00		
	Culvert			1	7.00	1.10	0.900	6.93		
	Front 00.00 to 136.50	WIDIA School Road LHS		1	178.90	1.10	0.900	177.11		
								2395.78	235.76	564829.33
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 **(Issue Rate on 01.02.2021)** (Page No. 222, I.No. 27.18 of KPWD S.R 2018-19).									
	Basic rate	**5115.00**								
	Issue Rate	**5680.61**	**Cum**	**Rate Analysis**						
	For New RCC Drain									
		6th Cross Road From Bagalugute Main Road To Dead End								
	0.0-50.0		**Lhs**	1	50.00	0.90	0.150	6.75		
	50.0-250.0		**B/s**	2	250.00	0.90	0.150	67.50		
		Culverts								
				7	6.00	1.00	0.150	6.30		
	For New RCC Drain									
		10th Cross Road From 10th Main Road To 9th Main Road								
	0.0-160.0		**Lhs**	1	160.00	0.90	0.150	21.60		
	0.0-160.0		**Rhs**	1	160.00	0.90	0.150	21.60		
		10th Main Road From Dead End To 9th Main Road								
	0.0-50.0		**B/s**	2	50.00	0.90	0.150	13.50		
	0.0-40.0		**Rhs**	1	40.00	0.90	0.150	5.40		
		9th Main Road From 10th Main Road To Dead End								
	0.0-160.0		**Lhs**	1	160.00	0.90	0.150	21.60		
	0.0-160.0		**Rhs**	1	160.00	0.90	0.150	21.60		
		Cross Road 1								
	0.0-35.0		**Lhs**	1	35.00	0.90	0.150	4.73		
		Cross Road 2								
	0.0-20.0		**Lhs**	1	20.00	0.90	0.150	2.70		
		Cross Road 3								
	0.0-32.0		**Lhs**	1	32.00	0.90	0.150	4.32		
	0.0-32.0		**Rhs**	1	32.00	0.90	0.150	4.32		
		Cross Road 4								
	0.0-65.0		**B/s**	2	65.00	0.90	0.150	17.55		
		Cross Road 6								
	0.0-100.0		**B/s**	1	100.00	0.90	0.150	13.50		
		New Road								
	0.0-65.00			1	65.00	0.90	0.150	67.05		

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44	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared bas with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing -do- with - with OPC at 320 kg/cum and GGBS 40 kg/cum conforming to IS:12089,coarse aggregate 0.69cum, fine aggregate 0.46cum.									
	(Page No. 176, I.No. 22.6.2 of KPWD S.R 2018-19) **(Issue Rates for Cement Incorprated)**									
	Basic rate	**4838.00**								
	Issue Rate	**5551.63**	**Cum**	**Rate Analysis**						
				Overlay						
				Cross Road 3						
	0.0-50.0			1	30.00	5.20	0.150	36.35		
				Cross Road 4						
	0.0-75.0			1	65.00	5.50	0.150	71.65		
				Cross Road 2						
	0.0-88.0			1	20.00	4.50	0.150	25.65		
				6th Cross Road From Bagalugute Main Road To Dead End						
	0.0-300.0			1	300.00	6.80	0.150	307.95		
				New Road, 6th Main Road						
	0.0-65.0			1	65.00	5.00	0.150	71.15		
45								**737.05**	**5551.63**	**4091826.71**
46	**Toal Construction Cost**									23630053.03
47	**Cost towards GST @ 12%**									2835606.36
48	**Cost towards DPR & PMC Charges 2%**									529313.19
49	**Misclleneous and other charges**									27.42
	Grand Total									26995000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes with in the limits of BBMP, PWD.
3. That the rates are adopted based on the PWD SR of 2018-19 with issue rate as on 27.05.2020.
4. That the provisions made in the estimate are necessary and quite essential.

ADMINISTRATIVELY SANCTIONED FOR 269.95 Lakhs
(Rupees) Two sixty nine lakhs ninety five thousand only
Under the Head of Account P-3296
14th Finance Commission Work
Registered as no EE(D.D.)/AS..40....Subject to conditions contained in Enclosed Memo
No. 40 /2021-22 Dt: 30/11/2021
JE/AE. Exe. Eng (DASARAHALLI) BBMP

Asst. Engineer
Ward No-14
BBMP Banglore

Asst. Exe. Engineer
T.Dasarahalli Sub Division
BBMP Banglore

Executive Engineer
Dasarahalli Division
BBMP Banglore

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Technically Sanctione for Rs. 269.95 lakhs
Rs. In words Two sixty nine lakhs ninety five Thousands only
Under P-3296
14th Finance Commission Works
Job Code No. 014-20-000018
Registered as CE No CE/D2.TS/18/20-4 Subject to conditions contained in Enclosed Memo
No CE/D2./TS/18/2021 Dt:
AE/JE: TA CE(D)

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